X4-TECH

Amplifier

A-1200

Hi-Fi stereo amplifier

Similiar to illustration

Available in:

Black Edition › White Edition › Silver Edition

Instruction manual

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Dear Customer:

Thank you for deciding on purchasing this quality product from X4-TECH.
This instruction manual will give you a general idea of how this device operates, as well as provide you with information on cleaning and safety procedures. Please take a few minutes to read and follow all safety and operating instructions found in this manual carefully, in order to maintain this products condition and ensure safe operation.

Retain this instruction manual for future reference and pass it along with the device if handed over to a third party. Should you have any additional questions regarding the operation or installation of this device or should any suggestions arise, please contract a specialized dealer or our service team for further information.

We look forward to your recommending us to others and hope you enjoy using this amplifier from X4-TECH.

Your X4-TECH Team

All company and product names mentioned in this document are registered trademarks of their respective owners. All rights reserved.

We assume no liability for damage occurred as a result of improper use or damage resulting from the failure to comply with the safety instructions found in this manual, improper operation or handling! Under such circumstances, all claims under warranty will become void. We assume no liability for consequential damage!

This product is EMV-certified and fulfils all European and National guideline requirements. A declaration of CE conformity has been established for this product. Certification has been documented and entrusted to the manufacturer.

1 Intended use

The X4-TECH hi-fi amplifier A-1200 is intended for the amplification of low-level audio signals in home audio systems, which are intensified and transferred between signal sources and loudspeakers.

› The amplifier should only be used with a low-level audio source.

› This amplifier is only authorized for connection to a AC 230 V~/50 Hz alternating voltage supply and is intended for indoor use only.

› We recommend the use of this amplifier with other hi-fi products from X4-TECH.

Please adhere to all of the safety information/instructions found in this instruction manual!

Explanation of symbols

An exclamation mark is intended to inform the user of important information, operation or maintenance instructions or that special attention is required.

This symbol is intended to alert you to the presence of unprotected, live parts or components found within the product's enclosure or of dangerous connections that upon contact may be of sufficient magnitude to constitute a risk of electric shock. Cables intended for such connections should only be connected by qualified personnel or you should only use ready to connect cables. There are no user-serviceable parts found inside the device, therefore the device is never to be opened.

Safety information 2

Dear Customer:

The following safety and hazard warnings are not only for the protection of your device, but also serve as a protection against potential health hazards. Please take time to read the following instructions carefully.

We assume no liability for personal or property damage resulting from the failure to comply with the safety instructions, improper operation and handling. Under such circumstances, all claims under warranty will become void.

› For safety and licensing (CE) reasons any unauthorized modification and/or change on the device is prohibited and will void the warranty and all warranty claims.

› Any persons operating, installing, setting up, or servicing this device must be trained and qualified accordingly and observe these operating instructions.

› This is a protection class II device. Make sure that the voltage supply of the power outlet used meets the required voltage specifications (AC 230 V~/50 Hz).

› Ensure that the device has been set up accordingly by following all instructions found in the instruction manual.

› Power supply cables should be routed so that they are not likely to be walked on, squished or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point at which they exit from the device. Avoid exposing the cable to extreme heat or cold. Ignoring the above mentioned could result in cable damage and present the dangerous risk of electric shock.

› Should any evident damage be seen on the device or on the connection cables, do not come in contact with or touch these. Switch off the corresponding circuit breaker in the power distribution panel first, before carefully unplugging the power plug from the wall outlet. Do not operate this device further! Please contact or take it to a qualified service technician/specialty workshop.

› In order to completely cut off the power supply to the device, unplug the power plug from the wall outlet. Merely turning the device off with the ON/OFF button is not sufficient enough. Make sure that receptacles are easily accessible.

› Always pull on the plug's grips and never on the cable to remove from a wall outlet.

› Unplug the device from the power outlet, if it is not in use for a longer period of time.

› For safety reasons, always unplug the device from the power outlet during thunderstorms.

› Eliminate potential tripping hazards by routing cables in such a way that no one can trip or stumble over them.

› Never use the device, if the power cable or device is damaged.

This device is not suitable for children under 3 years of age.
Small children are unaware of the serious and immediate dangers involved when exposing themselves to or handling electronic devices. Furthermore, this product contains small parts that could be swallowed.

› Keep packaging and protective foil away from children at all times to a void the danger of suffocation.

› The device should never come in contact with water or moisture.

› To prevent the risk of fire or electric shock make sure that liquids, such as dripping or splashing water, rain or moisture, do not come in contact with the device and power supply plug.

› Operate this device in a moderate climate and never expose to extreme temperatures, such as high humidity.

› Condensation can build up suddenly, when this device is brought from a colder into a warmer area (e.g. when transporting). Should this happen, allow the device to warm up to room temperature first before using.

› Care should be taken that liquids do not come in contact with the interior, this is why containers containing liquids, e.g. bucket, vase or plants should never be placed anywhere near this product, power supply plug inclusive. This could not only damage the device, but also become a fire hazard.

› It is imperative to avoid contact with moisture, e.g. in the bathroom.

› Never touch the power plug with damp or wet hands. There is the risk of electric shock!

› Make sure the device is properly ventilated during operation and never operate it in constricted areas, such as for example in a bookcase or shelf. Never block ventilation openings with papers, magazines, blankets, curtains or similar.

› Make sure the device is placed on a firm and stable surface.

› Never place any sources of fire on top of or near the device and power supply plug (e.g. lighted candle).

› Please note that excessive sound pressure levels created when listening to loud volume levels with earphones or headphones can lead to permanent hearing damage.

› Please adhere to the additional safety information found in the individual chapters of this instruction manual.

› When connecting other devices, please refer to the safety and operating instructions found in these respective manuals.

› Please contact our technical hotline or a service technician for further information, should you be in doubt about device operation, safety or when making connections or if any questions arise that are not explained within this manual.

Contribute to a better environment by using a designated disposal system (e.g. Dual System in Germany) or recycling site for the disposal of packaging material.

Before use

Please read this instruction manual thoroughly before operating this device and retain it for further reference, questions and use. Following and heeding all information found in this instruction manual shall maintain this products condition and ensure safe operation.

This instruction manual contains information on how to operate and maintain this device. Should a component require maintenance, servicing or repairs, then please consult a qualified dealer or service technician.

The device

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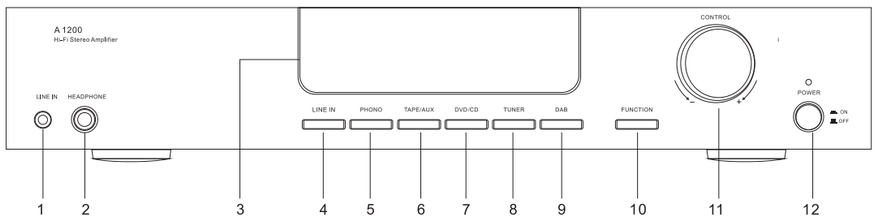
Features

› 400 W (P.M.P.O.)
› Satin aluminium front panel
› Fluorescent display
› Phono, DVD/CD, Tuner, Tape/AUX, DAB, Line in connectors
› Loudness function for enhanced sound effects
› Headphone connector
› Infrared system remote control

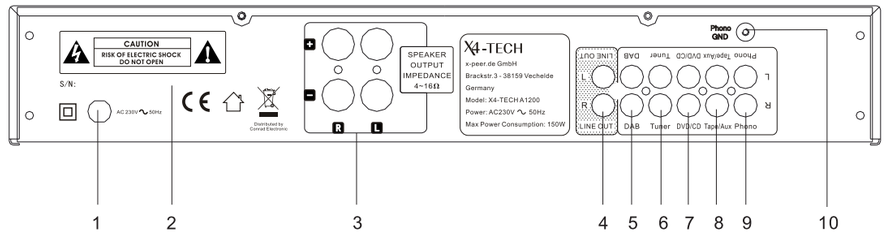
The A-1200

Front panel



1. LINE IN (input 3.5 mm stereo jack; e.g. for your MP3 player)
2. Earphone jack (6.3 mm jack)
3. Display
4. LINE IN: Selects the LINE IN input as source
5. PHONO: Selects the Phono input as source
6. TAPE/AUX: Selects the TAPE/AUX input as source
7. DVD/CD: Selects the DVD/CD input as source
8. TUNER: Selects the Tuner input as source
9. DAB: Selects the DAB input as source
10. FUNCTION button (sound selection)
11. CONTROL dial for volume or sound settings (FUNCTION mode)
12. Power button on/off

Rear panel



1. Power inlet
2. Warning symbol
3. Loudspeaker outputs
4. LINE-OUT output
5. DAB stereo source input jack
6. Tuner stereo source input jack
7. DVD/CD stereo source input jack
8. Tape/AUX stereo source input jack
9. Phono stereo source input jack
10. Phono GND: Connector for your record player's ground wire

Description of remote controls

The included system remote control lets you comfortably control all of the main functions on your device. If you have only purchased this model, please note that some of the functions on the remote control will not be available for use. Please have a look at the following remote controls to see which button functions are available for which components. Depending on the product or system purchased, operation is also possible with other components from our X4-TECH Hi-Fi 1200 series. Please feel free to contact our customer service for more information if any questions arise.

Model 1
This remote control is suitable for use with the following X4-TECH Hi-Fi components/systems: the TU-1200, the silver A-1200, the silver CD-1200M and the Hi-Fi Sound System 1200.

Tuner TU-1200

1. **MUTE**
   Deactivates/Reactivates the sound

2. **AM/FM button**
   Switches between AM and FM reception

3. **INFO button**
   Select to display RDS information

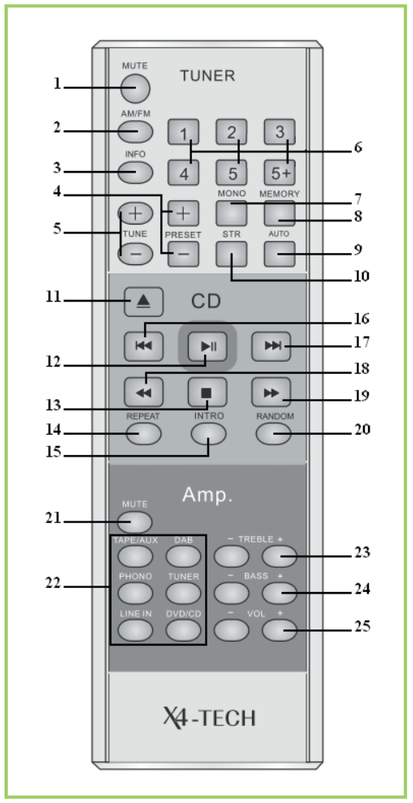
4. **PRESET +/–**
   Selects a preset station

5. **TUNE +/–**
   Sets the reception frequency

6. **Numeric buttons**
   For direct access to a preset station

7. **MONO**
   Selects a one-channel mono operation mode

8. **MEMORY**
   Can be used to store stations



9. **AUTO**
   Press to select an automatic channel scan (press for at least 3 seconds))

10. **STR**
    Selects a two-channel stereo operation mode

CD Player CD-1200M

11. ⏏
    Opens/Closes the CD compartment

12. ▶/II
    Starts/Pauses playing a CD

13. ■
    Stops playing a CD

14. **REPEAT**
    Switches through available repeat function modes

15. **INTRO**
    Plays the first few seconds of each song on a CD

16. I◀◀
    Previous song

17. ▶▶I
    Next song

18. ◀◀
    Fast reverse

19. ▶▶
    Fast forwards

20. **Random**
    Plays songs in a random order

Amplifier A-1200

21. **MUTE**
    Deactivates/Reactivates the sound

22. Source selection
TAPE/AUX, DAB, PHONO, TUNER, LINE IN (select to play sources connected to the front input), DVD/CD

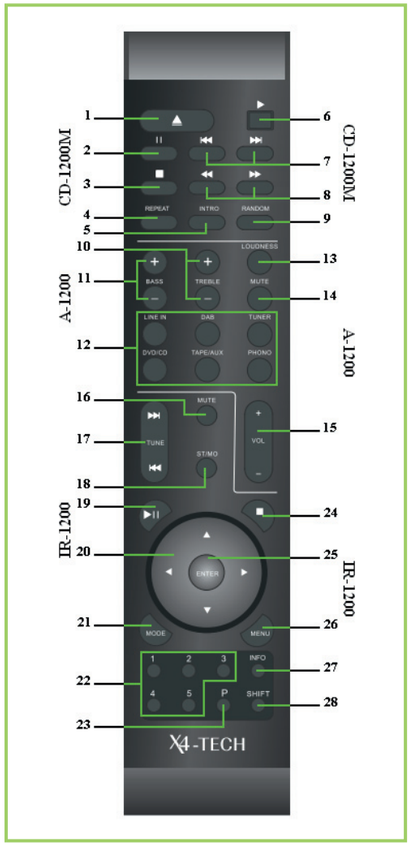
23. TREBLE +/–
Regulates treble settings

24. BASS +/–
Regulates bass settings

25. VOL +/–
Regulates the volume

This remote control requires two „AAA" batteries for operation.

Model 2
This remote control is suitable for use with the following X4-TECH Hi-Fi components/systems: the IR-1200, the A-1200, the CD-1200M and the Hi-Fi Sound System 1200IR.



CD Player CD-1200M

1. ⏏ OPEN/CLOSE
Opens/Closes the CD compartment

2. ⏸ Pause
Pauses playing a CD

3. ■ Stop
Stops playing a CD

4. REPEAT
Switches through available repeat function modes

5. INTRO
Plays the first few seconds of each song on a CD

6. ▶ PLAY
Starts playing a CD

7. ⏮ / ⏭ Previous/Next
Select to return to the previous/skip to the next song

8. ◀◀ / ▶▶ Fast reverse/Fast forward
Select to fast reverse/forward through a song

9. RANDOM
Plays songs in a random order

Amplifier A-1200

10. TREBLE +/–
Regulates treble settings

11. BASS +/–
Regulates bass settings

12. Source selection
You can use these buttons to select the signal input to be used on your amplifier:
Press the LINE IN button to select the front input on your amplifier as source or use the DAB, TUNER, DAB, DVD/CD, TAPE/AUX and PHONO buttons to select the respective inputs on the back of the device.

13. LOUDNESS
Turns the loudness effect function on/off

14. MUTE
Deactivates/Reactivates the sound

15. VOL +/–
Regulates the volume

Internet Radio IR-1200

16. MUTE
Deactivates/Reactivates the sound

17. TUNE +/–
Automatically searches up/down for stations during tuner operation

18. **ST/MO**
Switches between a two-channel stereo and one-channel mono operation mode

19. **▶/II Play/Pause**
Starts/Pauses playback

20. **Navigation buttons ▼▲◀ ▶**
▶ Move to the right, selects the next menu in a menu mode
◀ Move to the left, selects the previous menu in a menu mode
▲ Scans 0.05 MHz upwards during FM operation/moves upwards in a menu
▼ Scans 0.05 MHz downwards during FM operation/moves downwards in a menu

21. **Mode**
Changes the playback mode

22. **Numeric buttons**
Direct access/stores memory presets 1 thru 5

23. **P**
Browses through preset radio stations

24. **■ Stop**
Stops playback

25. **ENTER**
Confirms a selection/setting

26. **MENU**
Press to enter a menu

27. **INFO**
Displays various information

28. **SHIFT**
Select/Store preset stations exceeding the numbers 6 thru 10 (6 = 5, then 1)

This remote control requires two „AAA" batteries for operation.

Inserting batteries into the remote control/Battery information

Inserting/changing batteries
› Carefully remove the battery compartment lid on the back of the remote control.
› Remove used batteries.
› Insert new batteries and ensure correct polarity, as graphically displayed inside the compartment.
› Replace the battery lid carefully.

Information on handling batteries

Keep batteries out of children's reach.

› Batteries are hazardous waste and do not belong in household waste.

› Ensure correct polarity when inserting batteries.

› Always remove batteries when the remote control is not in use for longer periods of time.

› Never leave batteries lying around unsupervised. These could pose a choking hazard to children and pets if swallowed. Seek emergency medical care immediately, should this happen.

› Never expose batteries to extreme temperatures, such as sunlight, fire, ovens, etc. there is the risk of explosion!

› Make sure that batteries are not short-circuited and never recharge non-rechargeable batteries. There is a risk of explosion!

› Always follow manufacturer instructions, when recharging rechargeable batteries.

› Touching leaking or damaged batteries could cause skin burns. Use protective gloves suitable for handling such batteries.

› Always ensure that the device has been turned off after use.

› Always change/replace all batteries at the same time. Never mix old and new batteries or batteries of different types.

› Clean battery and device contacts before inserting, where required.

Dear customer!

Note:
Do not throw batteries and rechargeable batteries into household waste!

Consumers are legally obligated to return used and rechargeable batteries, whether they contain harmful substances* or not, to designated recycling areas, disposal sites, or stores where batteries/ rechargeable batteries can be bought. By doing so, you are fulfilling all legal battery recycling and disposal obligations and are contributing to a better enviroment. Make sure batteries are completly discharged before disposing!

*) marked with Cd = cadmium Hg= mercuric Pb= lead

Setup 4

› The device should be set up on a stable and level surface. Make sure that proper ventilation is provided to ensure adequate air circulation and that a minimum distance of 10 cm is maintained above and behind the device. If you would like to place further hi-fi components on top of the amplifier, make sure that you enlarge the distance behind the device to avoid excessive heat build-up. Never place or use other amplifiers on top of one another.

Selecting a proper location should be taken into consideration before setting up your device, for example the distance to the next power outlet, avoiding areas where the device may be exposed to direct sunlight, vibration, dust, heat, cold and moisture, as well as keeping it away from transformers or motors.

› Never drill or screw any additional screws into the housing to mount.

› Always ensure a safe and stable installation and keep away from objects that might fall onto it. Improper setup could lead to device instability, resulting in significant danger and accidents.

› Given the variety of paints and polishes used on furniture today does not excluded the fact that a chemical reaction may be caused, leaving visible residue on furniture, when the mounting feet of the device have been placed on furniture. Therefore, never place the device on furniture surfaces without using proper protection.

Connections

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Connecting the device to a power supply

Ensure that the power cable is unplugged before connecting further components. Components already connected to the device should also be unplugged from the power supply.

› Make sure connections have been made accurately and not reversed, this means for example left to left and right to right.

Connecting analog end devices

› Only use standard, shielded audio cables when connecting audio sources. Other cables may cause interference. Only connect devices equipped with the appropriate jacks, in order to avoid distortion and mismatching, which in turn could cause damage to the device. Before connecting jacks, make sure the correct terminal has been selected. Audio cables/plugs, as well as the terminals on most devices, are normally red and white to help distinguish what plug is to be connected to what jack. Connection cables are not included in delivery and must be purchased separately at your local dealer.

› You have the opportunity to use the following jacks for end devices:

Phono › This connection is only intended for record players!

Tape/Aux, DVD/CD, Tuner, DAB › This connection is for connecting devices, such as a DVD or CD player, to the respective markings. These markings serve in general as a way of helping you make the proper connections. From a technical point of view you can also connect a tuner to the DVD/CD or DAB jack.

Connecting speakers

A two-core wire connection is required to connect the speakers. Deisolate all wiring points. Ensure that cables can not be damaged by any sharp edges.

Only use speakers with a sufficient power rating (2 x 40 watts RMS at 8 ohm and 2 x 50 watts RMS at 4 ohm).

› Connect the loudspeakers directly to the amplifier. Never use an earphone adapter or distribution box. In case of doubt, consult a specialist for further information.

› Make sure that the loudspeakers are correctly polarized, i.e. that plus to plus terminals and minus to minus terminals correspond.

› The amplifier has been developed for operation with loudspeakers that have an impedance rating of 4 to 16 ohms.

› Never use loudspeakers with a lower impedance rating.

› Speakers should only be connected to these respective outputs.

› Connect the positive (+) terminal of the left speaker to the red speaker terminal.

› Connect the negative (–) terminal of the left speaker to the black speaker terminal.

› Connect the positive (+) terminal of the right speaker to the red speaker terminal.

› Connect the negative (–) terminal of the right speaker to the black speaker terminal.

General operation 6

Turning on and playing an audio source

Check that all connections are secure and proper, before turning the device on for the first time.

› The main switch should be switched on first (position – ON), before putting the device into operation.

› The current selected input source will appear on display, for example DVD/CD.

› Rotate the „VOLUME“ control dial completely to the left.

› Turn the audio source on, for example your CD player.

› Select the desired sound source by pressing the respective input source button (e.g. DVD/CD). If the end device to be used is connected to a different connection, then select the respective input source accordingly (such as Tape/AUX, DVD/CD, Tuner or DAB).

› Start playback of the selected playback source (e.g. CD player).

› Rotate the „VOLUME“ control dial in a clockwise motion to the desired listening level.

Warning
Please note that one should never listen to high volume levels for longer periods of time. This could damage your hearing. This applies especially to listening to music with earphones or headphones. Excessive sound pressure levels created when listening to loud volume levels with earphones or headphones can lead to permanent hearing damage. Set the volume to a minimum before using earphones/headphones and try to maintain a comfortable volume level thereafter.

› You can press the „FUNCTION“ button to access the sound settings mode. Refer to next section for more information on this function.

› Before turning the amplifier off, rotate the „VOLUME“ control dial completely to the left first and then press the POWER button to turn the amplifier off.

› Failing to comply with the above sequence could cause damage to the loudspeakers or the amplifier.

Sound settings

Press the „FUNCTION“ button on the device to select one of the following setting modes:

Selection	Control dial
BAS	Regulates the bass intensity by rotating the control dial.
TRE	Regulates the treble intensity by rotating the control dial.
BAL	Regulates the balance by rotating the control dial.
LOU OFF	Select this mode to add an additional sound effect.
RESET	Selecting „RESET“ and rotating the control dial returns all settings to a factory default setting.

› You can use the „TREBLE +/–“ and the „BASS +/–“ buttons on the remote control to directly adjust treble and bass settings. Balance settings can only be carried out directly on the device.

Troubleshooting 7

The device you have just purchased is equipped with state-of-the-art technology and is safe to operate. Nevertheless, problems or malfunctions may occur.

Before contacting a service technician, refer to the following possible solutions:

Distorted sound or no sound is audible.
› Check if all cables are properly connected.
› Check if all devices have been turned on and/or are connected.
› Check if the right input source has been selected.
› Check the volume control's position.

Remote control is not working.
› Check if the batteries have been inserted correctly.
› If batteries are empty, replace them with new ones.
› Point the remote control to the remote sensor and press to operate.
› Remove any objects found between the remote control and the remote sensor.
› Make sure the distance between the remote control and the device does not exceed 8 m.

Buttons do not function (on the device and/or remote control).
› Turn the device off and then on again. As an alternative, turn the device off, unplug it from the power outlet and plug in again. (The device also may not be functioning due to a stroke of lightning, static electricity or other external factors.)

A channel does not function.
› The audio cable connected either to the end device or amplifier input has become loose.
› A loudspeaker cable connected to the speaker terminal has become loose.

A buzzing sound can be heard.
› An overamplified signal has been transmitted to the amplifier input.
› The volume is too high, causing speaker distortion.
› The treble and bass control dials have been turned up to high.
› There is no ground terminal connection or it's been disconnected (this applies to record player playback).
› An audio cable may be defec

Distortion results.
› An overamplified signal has been transmitted to the amplifier input.
› The volume is too high, causing speaker distortion.
› The selected audio source is a high level device, which has been incorrectly connected to the amplifier's PHONO input.

Playback occurs without bass.
› Connected loudspeaker poles are reversed (+ and – are mixed up).
› The „BASS" control on the amplifier has been set to minimum.

Playback occurs without treble.
› The „TREBLE" control on the amplifier has been set to minimum.

Any repairs other than those mentioned above are to be carried out solely by an authorized technician. Never try to repair this device yourself!

Maintenance and cleaning

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Carry out a technical safety inspection on a regular basis, e.g. check if the power cable or housing may have become damaged.

If there is reason to believe that the device can no longer be operated safely, then disconnect it immediately from the power supply and secure it against any unintentional operation. Carefully remove the power cable plug from the wall outlet and where applicable switch off the corresponding circuit breaker first.

It can be assumed that safe operation is no longer possible, if:
› there is visible damage to the device or power cable,
› the device no longer works,
› it has been stored for a longer period of time under unfavorable conditions
› or exposed to rigorous transport conditions.

Always adhere to the following safety instructions before cleaning and maintenance:

Live parts may be exposed, if the covering is opened or parts are removed.

› The device must be disconnected from the power supply source prior to service, maintenance or repairs.

› Capacitors within the device may still carry voltage even though they have been disconnected from all power supply sources.

› Repairs are only to be carried out by qualified personnel, who are familiar with the hazards involved and the relevant regulations.

› Please retain the original box and the packaging material in case you need to transport or send the device out for maintenance at a later date. Please note that the device should be repacked in the original packaging. The box and packaging have been especially developed for this device in order to protect it during transport and against damage. Retain this instruction manual for future reference and where required pass it along with the device if handed over to a third party. It contains important information on initial operation and handling.

Keeping the external case clean
Never use volatile fluids near the device, as for example insect spray. Avoid letting the device come in contact with rubber or plastic products for longer periods of time. These could otherwise leave marks behind.

Cleaning the device
Unplug the power cable before cleaning. Always use a soft and dry cloth to clean the unit's exterior. If the device is extremely dirty you can use a soft cloth, dampened with water or a mild cleaning solution to clean. Never use any abrasive or harsh cleaning agents (e.g. alcohol, benzine or thinners) as these could damage the controls, casing or any markings and labels found on the device.

Dear Customer!

Important Notice:

Please note that electrical and electronic devices must never be disposed of in regular household waste!

Consumers are legally obligated and responsible for the proper disposal of electronic and electrical devices by returning them to collection sites designated for the recycling of electrical and electronic equipment waste after the useful lifetime of a device has come to an end. For more information concerning collection sites and correct disposal, please contract your local authority or waste management company. The presence of the above symbol on a device, on its packaging or within the instruction manual indicates that this item must not be disposed of in normal unsorted municipal waste.
In doing so, you are fulfilling all recycling and disposal obligations and are optimizing and contributing to a better environment. These disposal regulations apply to battery/rechargeable battery disposal as well. Most batteries contain hazardous chemicals which can contaminate the environment and human health, if they are discarded in ordinary household waste. According to legislation, batteries are to be returned to the place of purchase, disposed of at designated recycling areas or disposal sites.

Specifications

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Technical data

Inputs
› 5 x Stereo IN jacks (47 kohms; 390 mV)
› 1 x Phono IN jacks (47 kohms; 5 mV)

Sound settings
› Treble +/–14 dB at 10 kHz
› Bass +/–14 dB at 100 Hz

Power output
› 2 x 50 watts RMS at 4 ohms
› 2 x 40 watts RMS at 8 ohms
› SN/ratio: > 80 dB
› Distortion factor: < 0.5 % at 1 watt

General
› Power supply: AC 230 V~/50 Hz
› Dimensions: 430 x 314 x 80 mm (incl. feet)
› Weight: 5.9 kg
› Remote control: System remote control

Delivery contents

› X4-TECH amplifier A-1200
› Remote control
› Batteries
› RCA cable
› Service data sheet
› User manual

Service

Should questions arise then please contact a specialist or our service hotline:

Hotline: +49 (0) 53 02/8 06-450
Address: x-services.eu gmbh
Service department X4-TECH
Brackestraße 3 · 38159 Vechelde/Germany

Information and updates: **http://www.x4-tech.de**

› Original X4-TECH spare parts and accessories can be found on the X4-TECH pages under www.x-spares.de

› We reserve the right to alter specifications and information contained in this manual without notice.

› All brands mentioned are property of X4-TECH or of their respective owners.

› X4-TECH assumes no responsibility or liability for any errors or inaccuracies that may appear in this instruction manual.

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